

## **Clinico-psychological features of patients with cerebrovascular diseases and their dynamics after therapeutic correction**

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### **Abstract**

Objective of this study was to investigate the clinical and paraclinical features of patients with cerebrovascular diseases and their dynamics under the influence of therapy. Total 121 patients (32 men and 89 women, average age of  $63.6 \pm 8.8$  years) with cerebrovascular disease were examined before and after treatment. Patients were divided into groups based on the severity of the disease. We studied the neurological status with the evaluation of the emotional sphere, and applied additional methods of research. We revealed the most common neurological symptoms characterizing the pyramidal, vestibular-cerebellar and extrapyramidal syndromes in different groups of cerebral vascular diseases. The symptoms that characterize the vestibular-cerebellar syndrome have demonstrated positive dynamics: the dynamic ataxia in stage I vascular encephalopathy before treatment was up to 66.7%, and after treatment - 29.2%; in stage II vascular encephalopathy before treatment - 44.0%, after treatment - 32.0%; the static-locomotor ataxia before treatment - 86.7%, after treatment - 64.0%, with the growing cognitive potential in the course of evaluation of emotional sphere. The effectiveness of therapy is confirmed by additional research methods. It was revealed that neurological symptoms in this study that characterize the vestibular-cerebellar syndrome respond to therapy in all groups of cerebrovascular diseases and show a decreased influence of emotional factors and a subsequent increase of the cognitive potential.

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### **Keywords**

Blood circulation, Clinical features, The brain